

Product datasheet for **RG207625**

Zinc Alpha 2 Glycoprotein (AZGP1) (NM_001185) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zinc Alpha 2 Glycoprotein (AZGP1) (NM_001185) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zinc Alpha 2 Glycoprotein
Synonyms:	ZA2G; ZAG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207625 representing NM_001185 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAGAAATGGTGCCTGCTGCTGTCTCTGCTGCTGCTTCTGGTCTGCTGTCCCCAGGAGAACC
AAGATGGTCGTTACTCTCTGACCTATATCTACACTGGGCTGTCCAAGCATGTTGAAGACGTCCCCGCGTT
TCAGGCCCTTGGCTCACTCAATGACCTCCAGTTCCTTAGATAACAACAGTAAAGACAGGAAGTCTCAGCCC
ATGGGACTCTGGAGACAGGTGGAAGGAATGGAGGATTGGAAGCAGGACAGCCAATTCAGAAGGCCAGGG
AGGACATCTTTATGGAGACCCTGAAAGACATTGTGGAGTATTACAACGACAGTAACGGGTCTCACGTATT
GCAGGGAAGGTTTGGTTGTGAGATCGAGAATAACAGAAGCAGCGGAGCATTCTGGAAATATTACTATGAT
GGAAAGGACTACATTGAATTCAACAAAGAAATCCAGCCTGGGTCCCCTTCGACCCAGCAGCCCAGATAA
CCAAGCAGAAGTGGGAGGCAGAACCAGTCTACGTGCAGCGGGCAAGGCTTACCTGGAGGAGGAGTGCCC
TGCGACTCTGCGGAAATACCTGAAATACAGCAAAAATATCCTGGACCGGCAAGATCTCCCTCTGTGGTG
GTCACCAGCCACCAGGCCCCAGGAGAAAAGAAGAACTGAAGTGCTGGCTACGACTTCTACCCAGGGA
AAATTGATGTGCACTGGACTCGGGCCGGCAGGTGCAGGAGCCTGAGTTACGGGGAGATGTTCTTCAAA
TGGAAATGGCACTTACCAGTCTGGGTGGTGGTGGCAGTGCCCCGCAGGACACAGCCCCCTACTCCTGC
CACGTGCAGCACAGCAGCCTGGCCAGCCCCCTGTTGGTGCCTGGGAGGCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207625 representing NM_001185
 Red=Cloning site Green=Tags(s)

MVRMVPVLLSLLLLLGPVAVPQENQDGRYSLTYYTGLSKHVEDVPAFQALGSLNDLQFFRYNSKDRKSQP
 MGLWRQVEGMEDWKQDSQLQKAREDI FMETLKDIVEYYNDSNGSHVLQGRFGCEIENNRSSGAFWKYYDD
 GKDYIEFNKEIPAWVPFDPAAQITKQKWEAEPVYVQRAKAYLEEECPATLRKYLKYSKNILDRQDPPSVV
 VTSHQAPGEKKLKLCLAYDFYPGKIDVHWTRAGEVQEPELRGDVHLHNGNGTYQSWVVVAVPPQDTAPYSC
 HVQHSSLAQPLVVPWEAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001185

ORF Size: 894 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001185.1](#)

RefSeq Size: 1247 bp

RefSeq ORF: 897 bp

Locus ID: 563

UniProt ID: [P25311](#)

Cytogenetics: 7q22.1

Domains: MHC_I, ig, IGc1

Protein Families: Secreted Protein

Gene Summary: Stimulates lipid degradation in adipocytes and causes the extensive fat losses associated with some advanced cancers. May bind polyunsaturated fatty acids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207625